

## **INDUSTRIAL WASTEWATER PRETREATMENT FLOW DISCHARGE PERMITTING PROCEDURE AND LIMITATIONS**

The Department of Environmental Resources Management (DERM) has found it necessary to establish flow permitting procedures and limitations to prevent unnecessary overloading of the sewer system and treatment facilities. This policy addresses three potential and existing sewer system problems:

1. Overloading of gravity sewer systems caused by large instantaneous flows.
2. Unmetered sewage discharges from storm water runoff or on-site water wells.
3. Increase of wastewater flows to sewers without approval by the sewer utility and/or the treatment plant utility.

These three situations had resulted in many sewage spills, and uncollected revenues both through unpaid sewer flow fees and corresponding connection charges for the necessary treatment plant expansions. In order to assure proper review of all industrial pretreatment permitting applications involving new or increased wastewater flow, this Department is implementing the following procedures and policies:

1. All industrial pretreatment facilities (IWP) permit applications will require prior approval by the Water and Sewer Department (WASD) and, if applicable, any other utility serving the sewer collection system.
2. Industrial wastewater instantaneous discharges to gravity sewers from a single facility should not exceed 30% of the 2 ft./sec. sewage design flows for the sewer collection system at the point of connection:

8"gravity	100 GPM maximum
10" gravity	150 GPM maximum

Utilities may approve higher flows provided that reasonable assurances of acceptable sewer service are given to this Department.

3. The sewer serving utility must approve (page 4 of 7 of the Industrial Pretreatment Facility Permit Application) the average daily flow (GPD), the maximum daily flow (GPD) and the maximum instantaneous flow (GPM) by signing a statement approving the discharge of this flow to their sewer system, and verifying the adequacy of the sewer system. A flow equalization tank and/or direct connection to a force main may be required if the existing gravity sewer system is overloaded by the users.

4. All facilities discharging wastewater from sources other than metered public potable water must install a sewage flow meter. This flow meter must keep accumulated flow and instantaneous sewage flow records. These metering requirements will be included as a specific condition of the Industrial Wastewater Pretreatment Permit (IWP). The industrial facility, unless otherwise agreed upon with the utility, will be required by their IWP permit to submit proof, of the flow meter calibration to the utility and DERM on at least an annual basis. The

utility may require to own the wastewater flow-meter or to witness its calibration. The utility serving the sewer system is responsible of the corresponding billing.

5. WASD will approve page 7 of 7 of the Industrial Pretreatment Facilities Permit Application) and all applications that involve increase in sewage flows to assist the necessary sewer connection fees. This Department encourages and policy of waste minimization, recycle and reuse of all wastes, and particularly water, by all significant industrial users in the pretreatment program. Since connection charges will be based on metered discharges it is to the permittee's benefit to consider all practicable methods of reuse.

6. This Department will require from all industrial facilities with on-site water wells, a copy of their South Florida Water Management District (SFWMD) withdrawal permit to be included in the facility file. This permit must be in effect and in accordance with current use as required by State Statutes. Facilities failing comply with the above conditions will be referred to the SFWMD for enforcement.

7. Pump Stations discharging to the public sanitary sewer system must be equipped with a non-resettable elapsed time meter.